

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
29 September 2005 (29.09.2005)

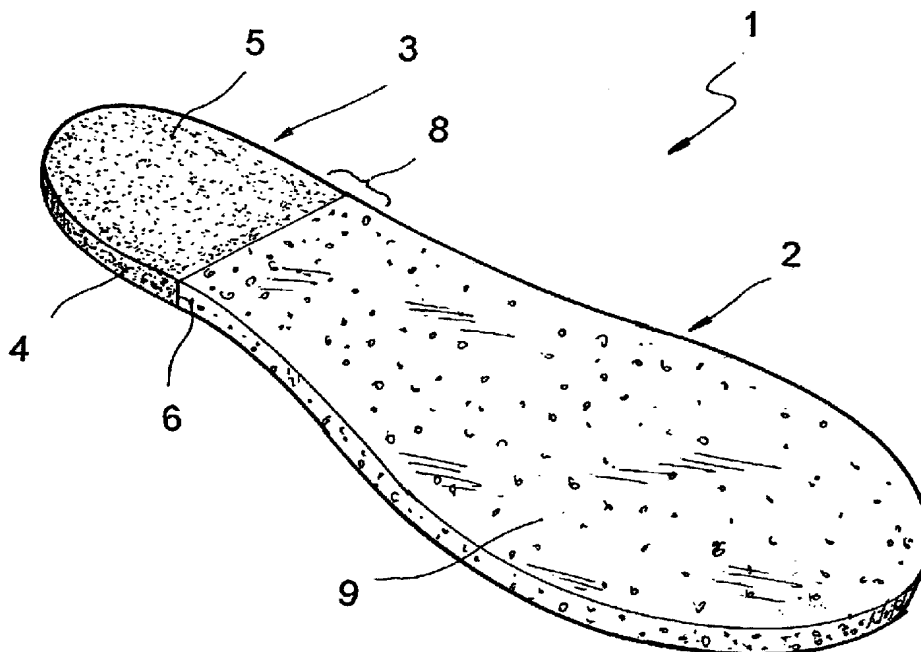
PCT

(10) International Publication Number  
**WO 2005/089580 A1**

- (51) International Patent Classification<sup>7</sup>: **A43B 17/02**, B29D 31/518
- (21) International Application Number: PCT/IB2005/000656
- (22) International Filing Date: 15 March 2005 (15.03.2005)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data: VI2004A000052 15 March 2004 (15.03.2004) IT
- (71) Applicant (for all designated States except US): **TECHNOGEL ITALIA S.R.L.** [IT/IT]; Via Vittorio Emanuele, 141, I-36050 Pozzoleone (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LOSIO, Massimo** [IT/IT]; Via Forestuzzo, 2, I-31011 Asolo (IT). **BRAGHIN, Ireneo** [IT/IT]; Via dei Salici, 12, I-21059 Viggiu' (IT).
- (74) Agent: **MAROSCIA, Antonio**; Maroscia & Associati SRL, Contrà S. Caterina, 29, I-36100 Vicenza (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: COMPOSITE FOOTWEAR INSOLE, AND METHOD OF MANUFACTURING SAME



(57) Abstract: A composite footwear insole has a front portion (2) designed to interact with the foot at the metatarsal region and at least partly at the plantar arch, and a rear portion (3) designed to interact with the heel. The rear portion (3) has at least one layer (4) of gel material whose size is at least substantially equal to that of the rear portion (3) to uniformly support the heel and absorb stresses acting thereon.

WO 2005/089580 A1



**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*